**Kubernetes (K8S) - 3 Tier Architecture Implementation**

In this project, created 3 tier architecture using Kubernetes. I uploaded all the files (including screenshots file Kubernetes\_project.docx) to the github (**https://github.com/sudheerkumar19/Kubernetes-Project.git**). I cloned that file, and I opened that folder and executed all the commands.

1. **I logged in GCP through acloud guru playground.**

**Graphical user interface, text, application, email

Description automatically generated**

1. **Choose Services -🡪 Kubernetes Engine --🡪 Clusters**

**Graphical user interface, text, application

Description automatically generated**

1. **Click on CREATE, GCP creates a controller and 3 nodes.**

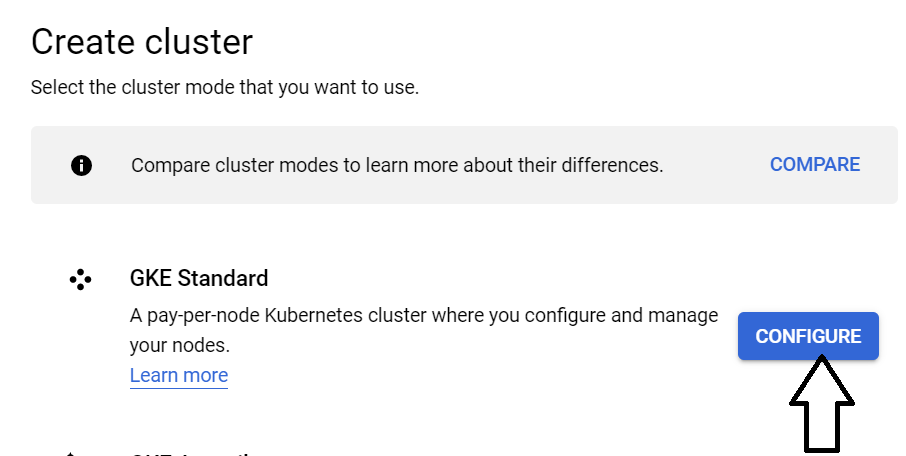
**Graphical user interface, text, application, Word

Description automatically generated**

1. **Click on GKE Standard🡪 COFIGURE**

**Graphical user interface, application

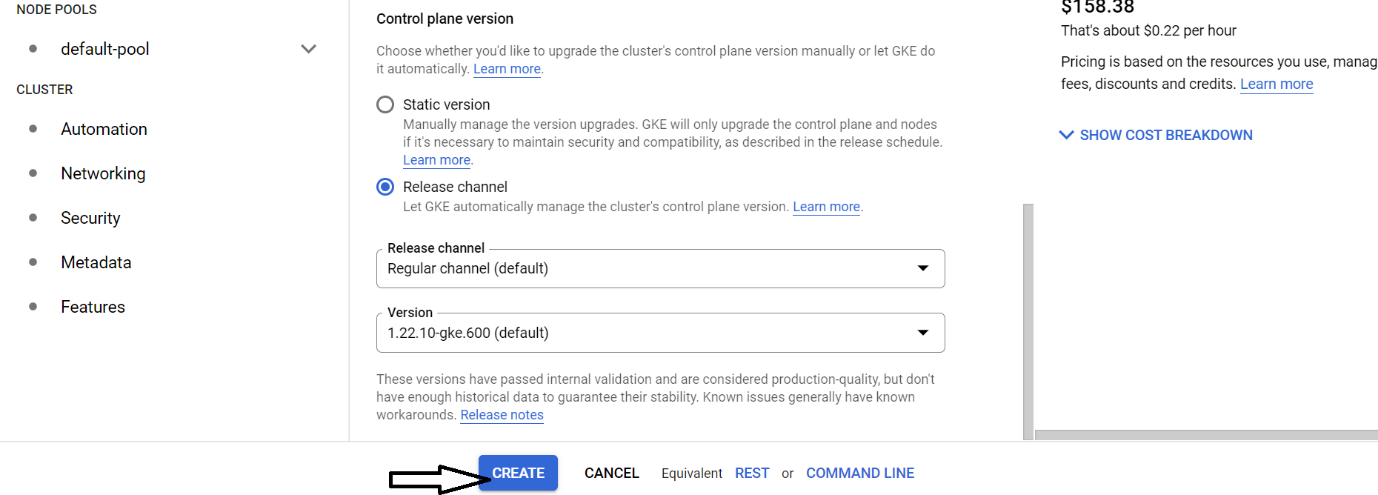
Description automatically generated**

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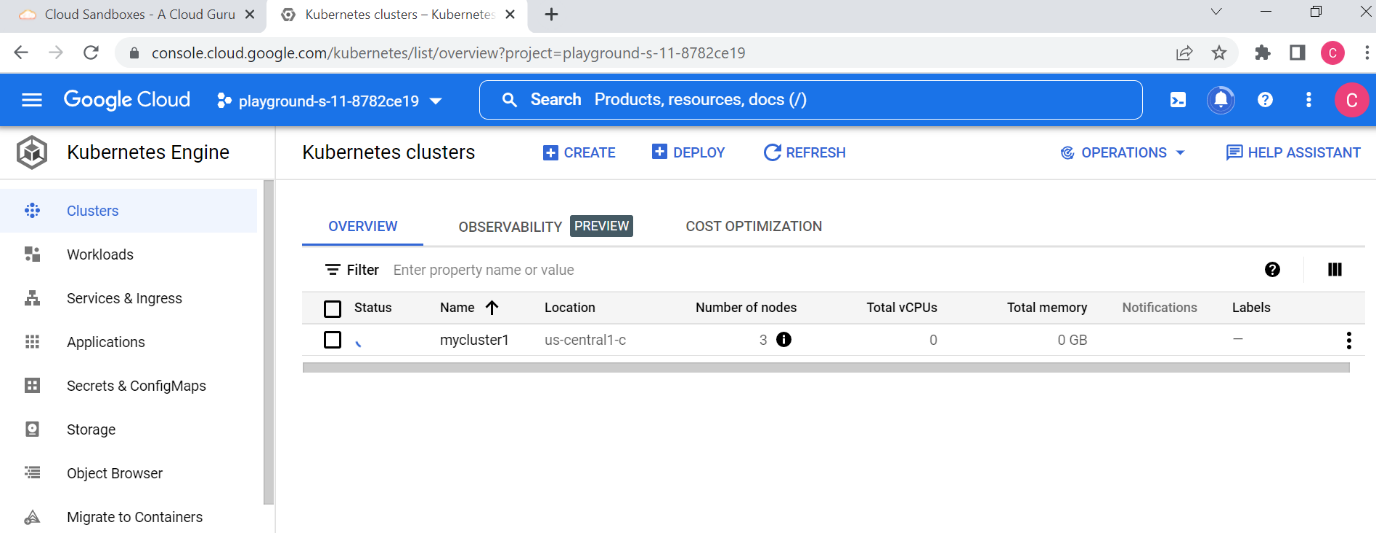
1. **Specify cluster name and click on CREATE.**

**Graphical user interface, text, application, email

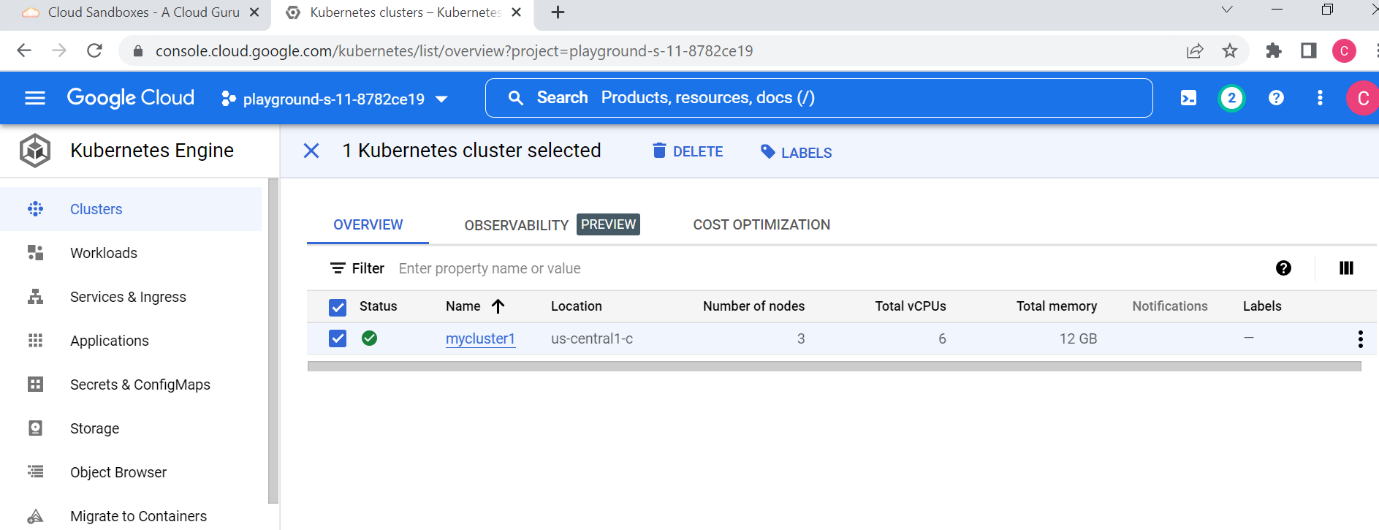
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1. **Processing to create Cluster.**

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1. **Cluster has created.**

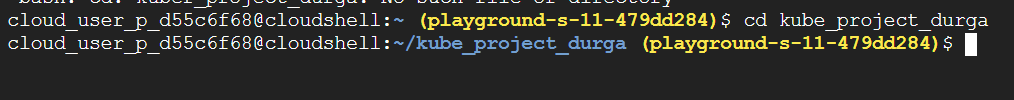
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1. **Connecting through cloudshell and cloning the github project files into our cluster.**

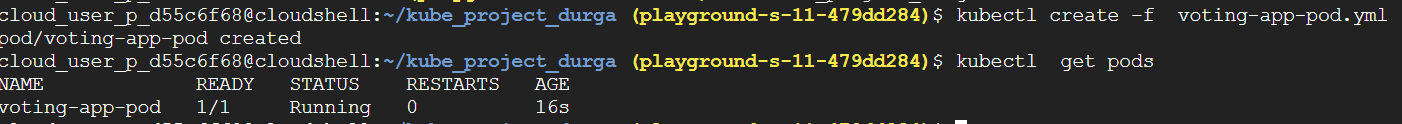
**Text

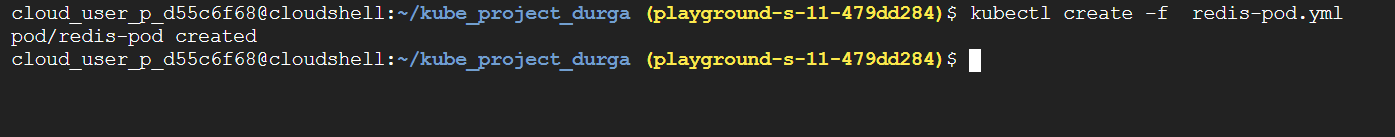
Description automatically generated**

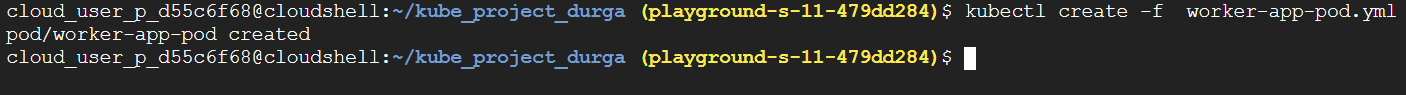
1. **Go to the specific project folder.**

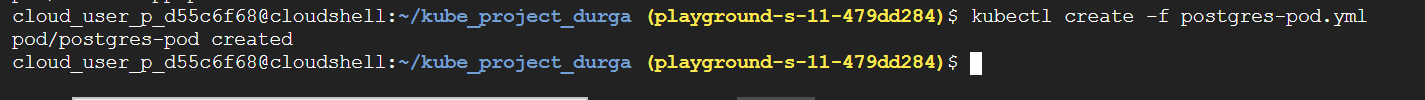
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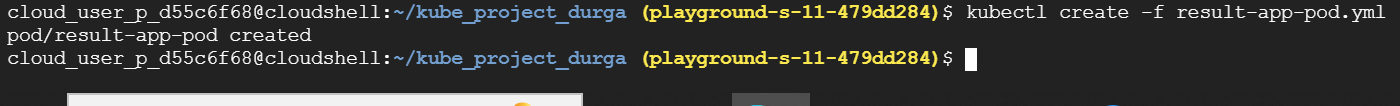
1. **Executing all .yml files. These files are related to**

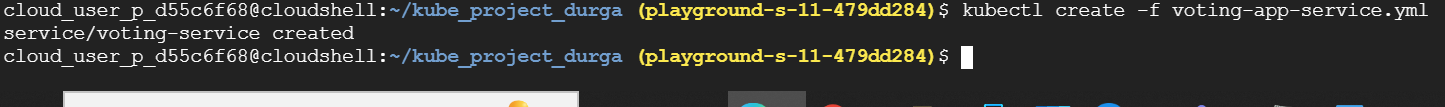
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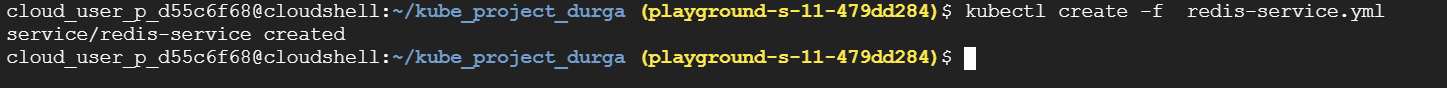
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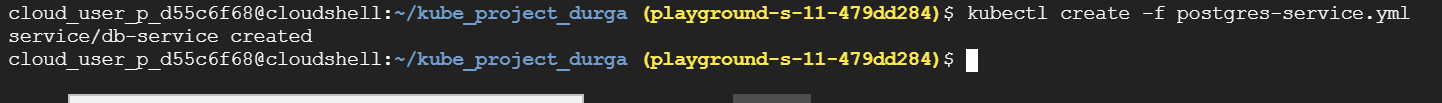
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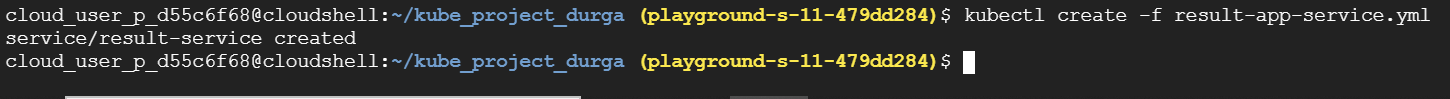
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1. **To know all the information related to cluster, we use the following command.**

**A screenshot of a computer

Description automatically generated with low confidence**

1. **By using external IP, we can execute in the browser. Then it displays the output on the screen.**

**Graphical user interface, chart, funnel chart

Description automatically generated**

1. **After choosing our option, it looks like below screenshot.**

A picture containing timeline

Description automatically generated